

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112619\
 Data File : VX013627.D
 Acq On : 27 Nov 2019 03:05
 Operator : JC/SP
 Sample : K5962-12DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 91BR-20191120

Quant Time: Nov 27 03:49:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	656361	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1045628	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	929145	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	416988	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	381144	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
35) Dibromofluoromethane	5.48	113	317298	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	
50) Toluene-d8	8.71	98	1244243	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
62) 4-Bromofluorobenzene	11.14	95	415048	45.70	ug/l	0.00
Spiked Amount			Recovery	=	91.40%	

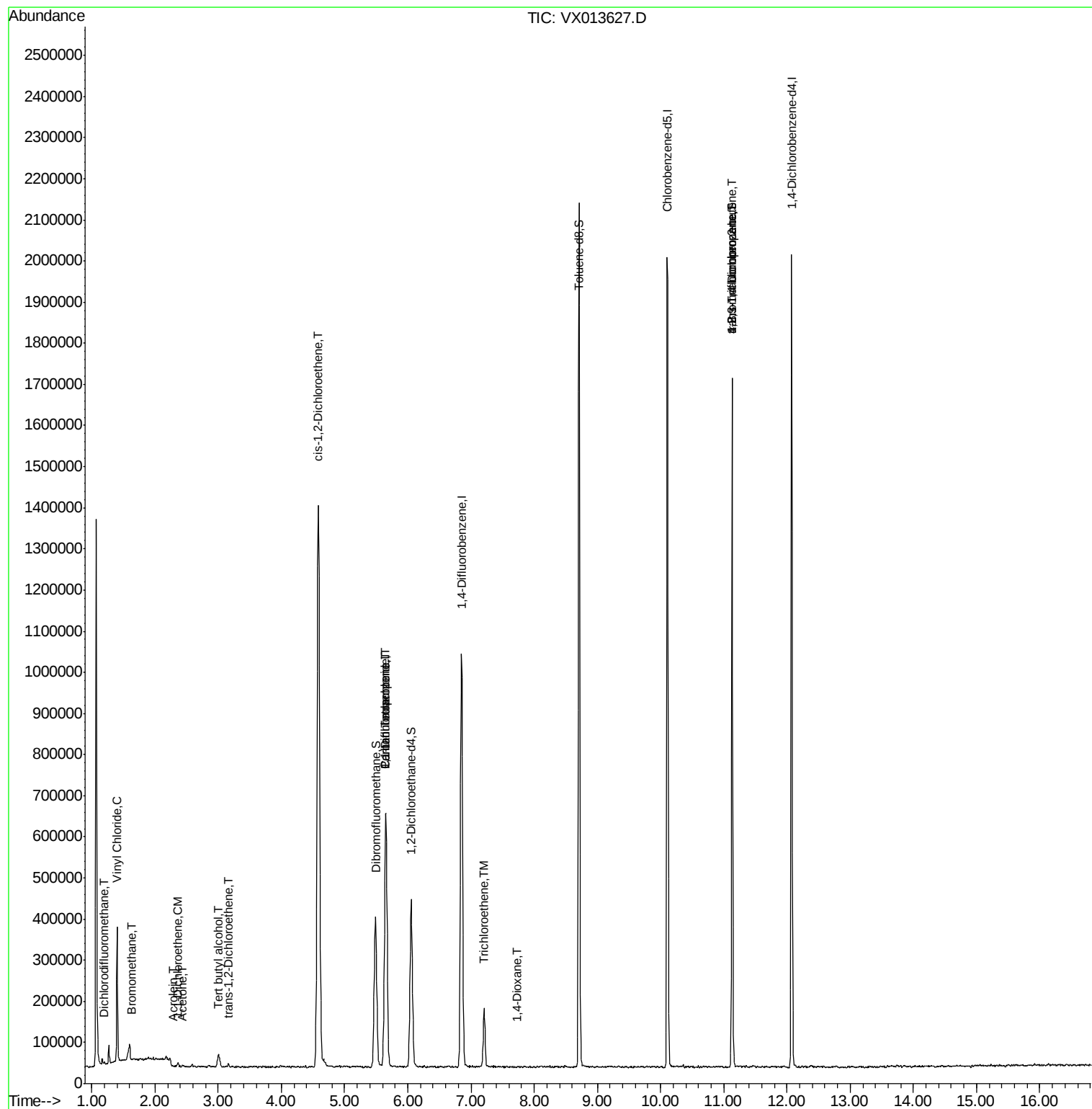
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	4838	0.662	ug/l	98
4) Vinyl Chloride	1.40	62	191436	20.749	ug/l	98
5) Bromomethane	1.64	94	1483	0.239	ug/l	86
11) Tert butyl alcohol	3.01	59	21650	11.512	ug/l #	74
12) 1,1-Dichloroethene	2.37	96	2454	0.393	ug/l #	86
13) Acrolein	2.29	56	416	6.327	ug/l #	54
16) Acetone	2.44	43	3717	0.988	ug/l #	65
21) trans-1,2-Dichloroethene	3.16	96	3758	0.552	ug/l #	78
27) cis-1,2-Dichloroethene	4.59	96	891504	114.082	ug/l	89
36) 1,1-Dichloropropene	5.65	75	43235	4.555	ug/l #	50
38) Carbon Tetrachloride	5.65	117	56658	6.474	ug/l #	14
44) Trichloroethene	7.21	130	59098	7.449	ug/l	97
49) 1,4-Dioxane	7.73	88	559	2.932	ug/l #	56
76) 1,2,3-Trichloropropane	11.14	75	202461	21.587	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	202461	59.058	ug/l #	11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013627.D

Acq: 27 Nov 2019 03:05

Instrument :

MSVOA_X

ClientSampleId :

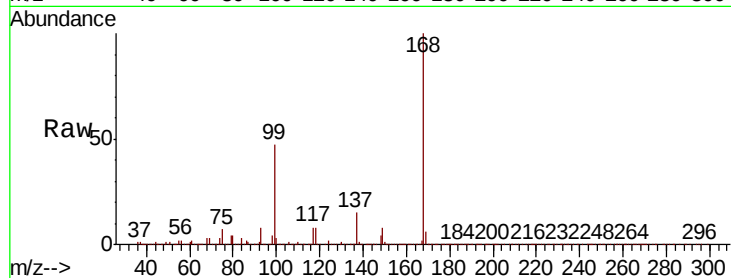
91BR-20191120

Tot Ion:168 Resp: 656361

Ion Ratio Lower Upper

168 100

99 46.7 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

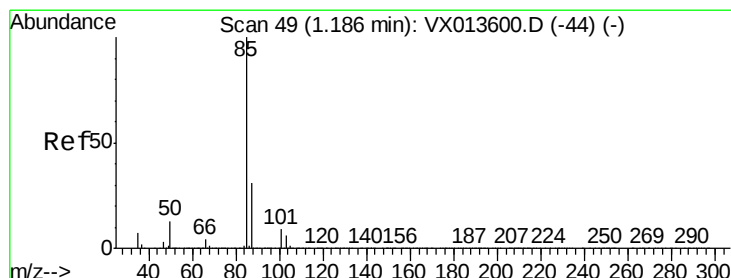
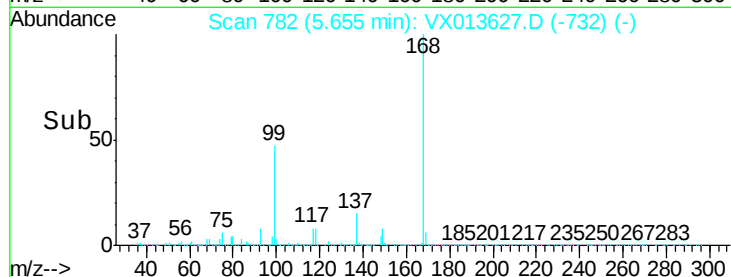
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.662 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX013627.D

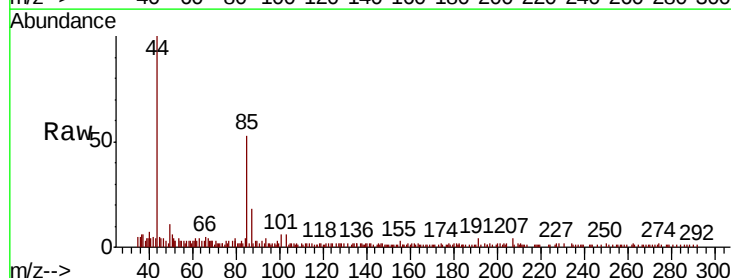
Acq: 27 Nov 2019 03:05

Tgt Ion: 85 Resp: 4838

Ion Ratio Lower Upper

85 100

87 30.2 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

5000

4000

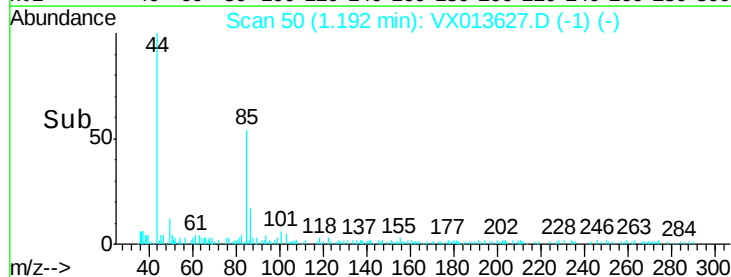
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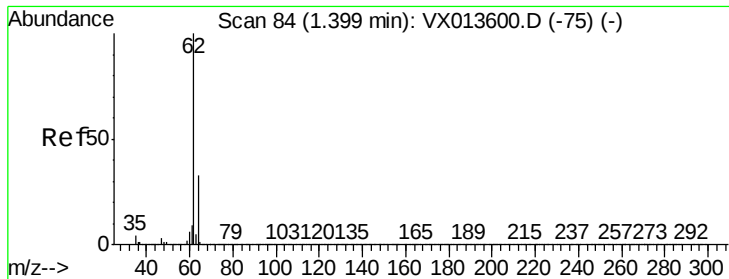
2000

1000

0

Time-->





#4

Vinyl Chloride

Concen: 20.749 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013627.D

Acq: 27 Nov 2019 03:05

Instrument :

MSVOA_X

ClientSampleId :

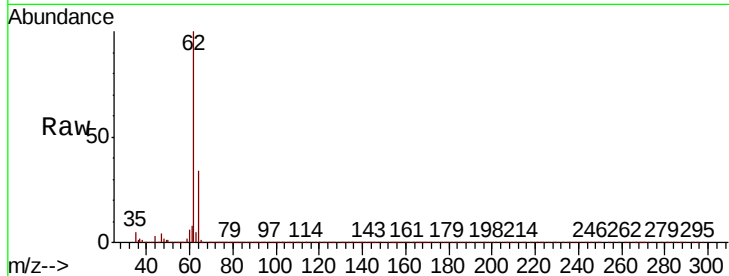
91BR-20191120

Tot Ion: 62 Resp: 191436

Ion Ratio Lower Upper

62 100

64 33.7 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

200000

150000

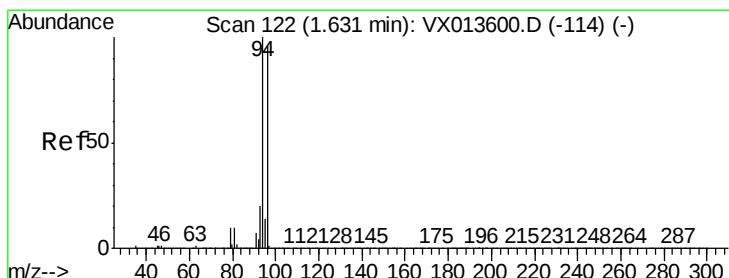
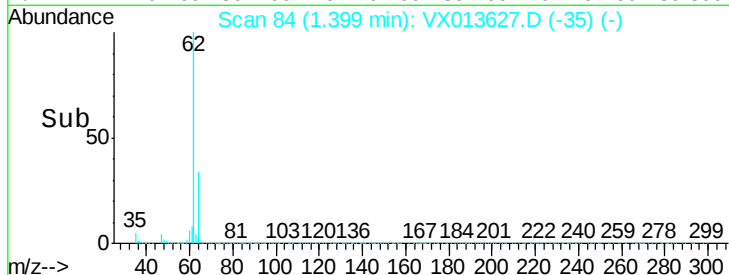
100000

50000

0

Time-->

1.30 1.35 1.40 1.45



#5

Bromomethane

Concen: 0.239 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013627.D

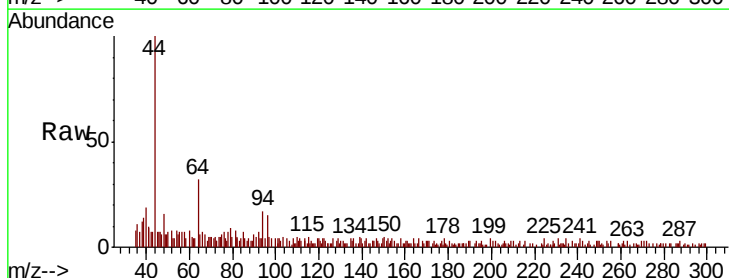
Acq: 27 Nov 2019 03:05

Tgt Ion: 94 Resp: 1483

Ion Ratio Lower Upper

94 100

96 83.0 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1000

800

600

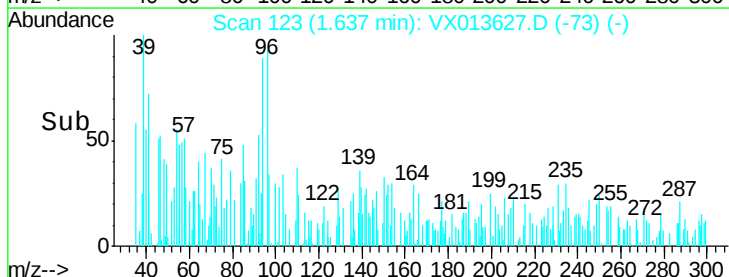
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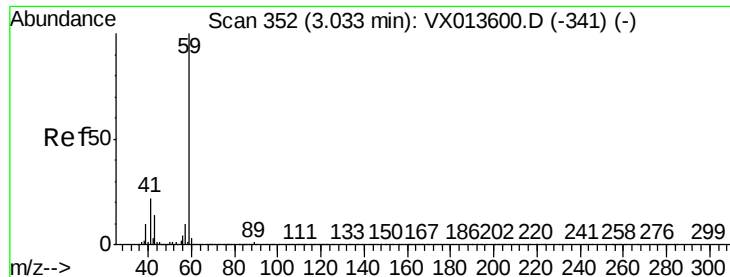
200

0

Time-->

1.60 1.65 1.70



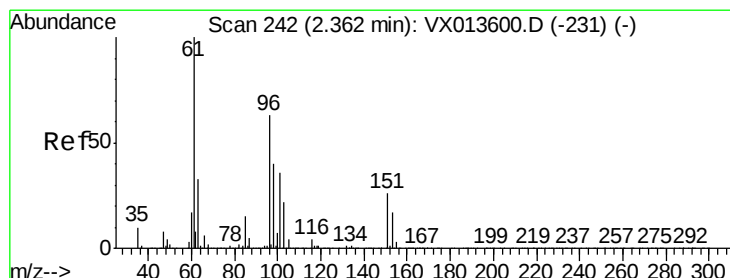
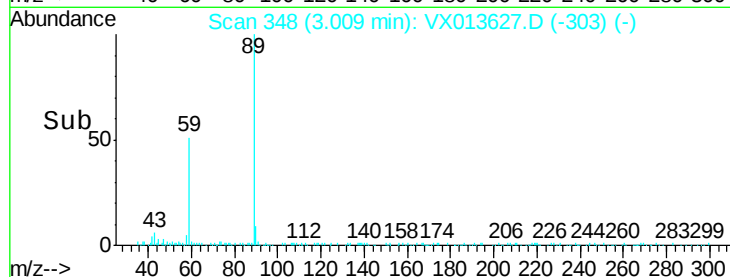
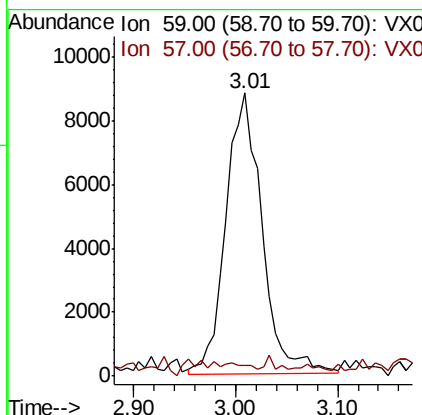
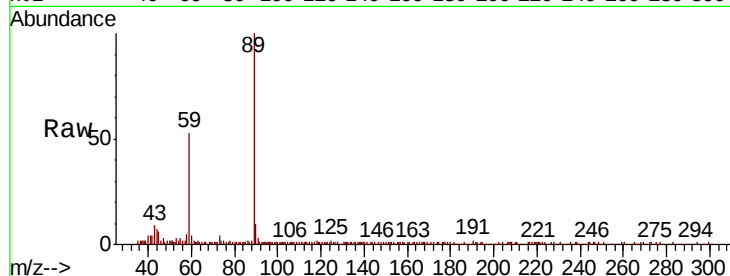


#11

Tert butyl alcohol
Concen: 11.512 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX013627.D
Acq: 27 Nov 2019 03:05

Instrument :
MSVOA_X
ClientSampleId :
91BR-20191120

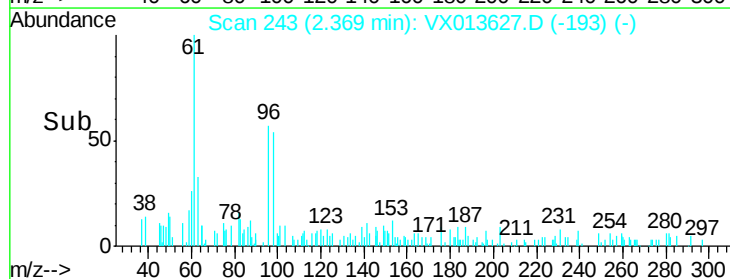
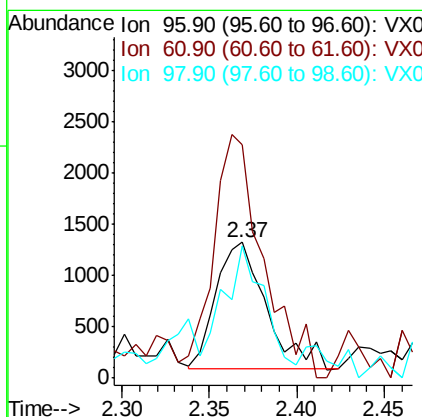
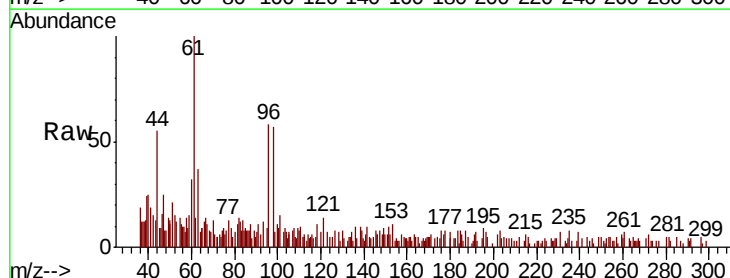
Tot Ion: 59 Resp: 21650
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

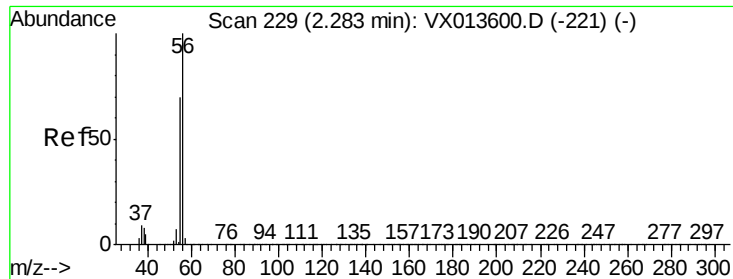


#12

1,1-Dichloroethene
Concen: 0.393 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.01 min
Lab File: VX013627.D
Acq: 27 Nov 2019 03:05

Tgt Ion: 96 Resp: 2454
Ion Ratio Lower Upper
96 100
61 155.0 126.6 190.0
98 97.6 50.6 76.0#





#13

Acrolein

Concen: 6.327 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX013627.D

Acq: 27 Nov 2019 03:05

Instrument :

MSVOA_X

ClientSampleId :

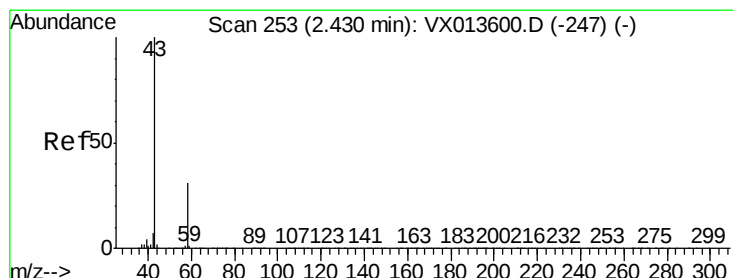
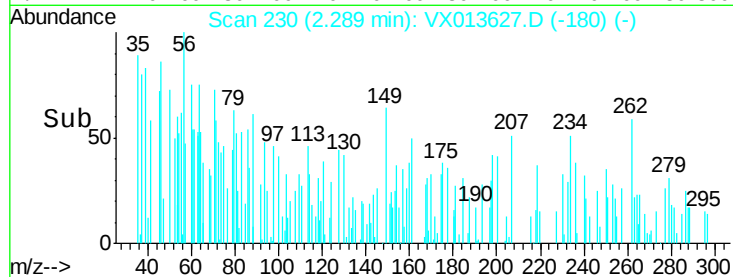
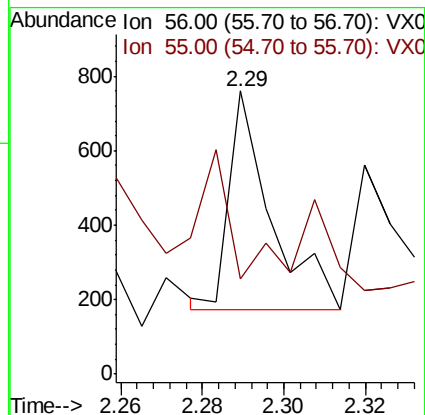
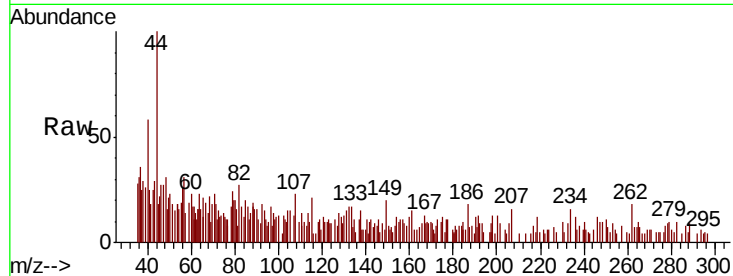
91BR-20191120

Tot Ion: 56 Resp: 416

Ion Ratio Lower Upper

56 100

55 108.2 56.2 84.4#



#16

Acetone

Concen: 0.988 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013627.D

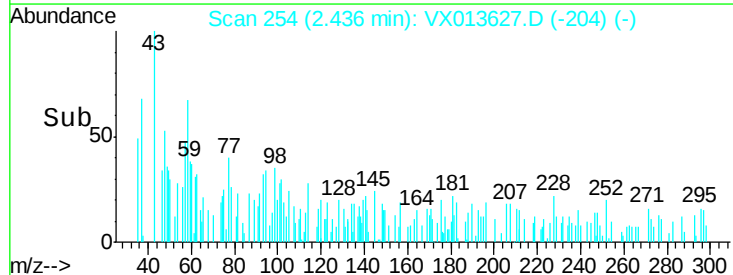
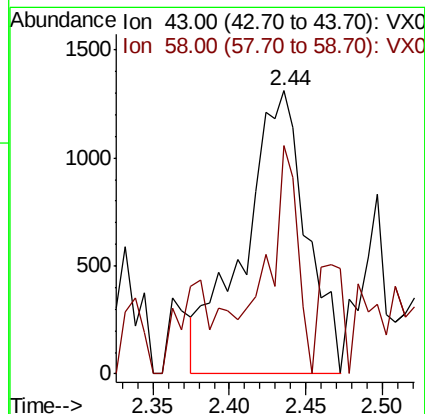
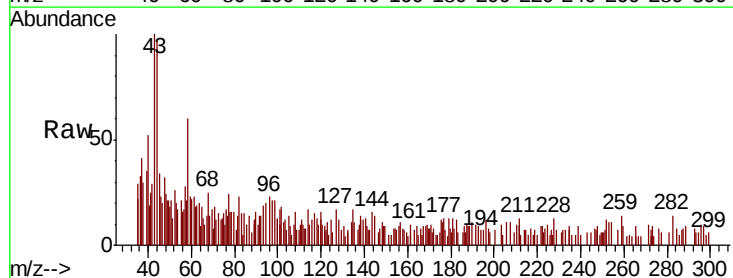
Acq: 27 Nov 2019 03:05

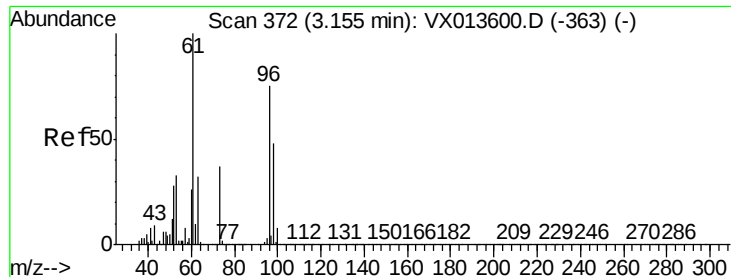
Tgt Ion: 43 Resp: 3717

Ion Ratio Lower Upper

43 100

58 50.1 24.6 36.8#





#21

trans-1,2-Dichloroethene

Concen: 0.552 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX013627.D

Acq: 27 Nov 2019 03:05

Instrument :

MSVOA_X

ClientSampleId :

91BR-20191120

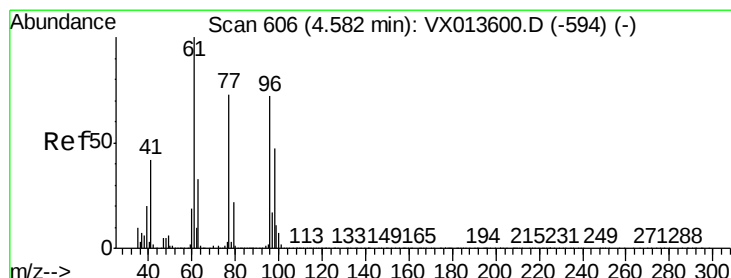
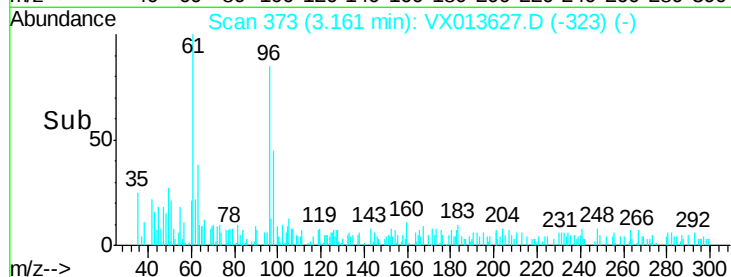
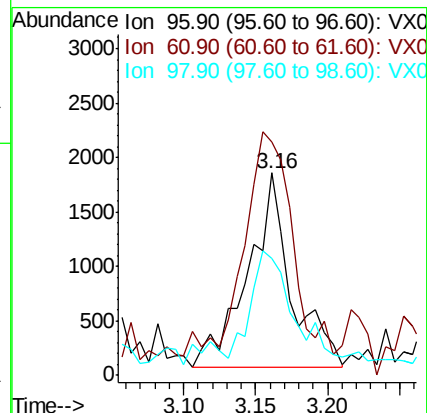
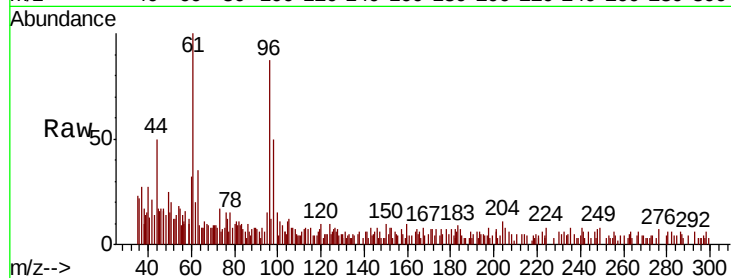
Tot Ion: 96 Resp: 3758

Ion Ratio Lower Upper

96 100

61 105.0 107.2 160.8#

98 51.0 51.4 77.0#



#27

cis-1,2-Dichloroethene

Concen: 114.082 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX013627.D

Acq: 27 Nov 2019 03:05

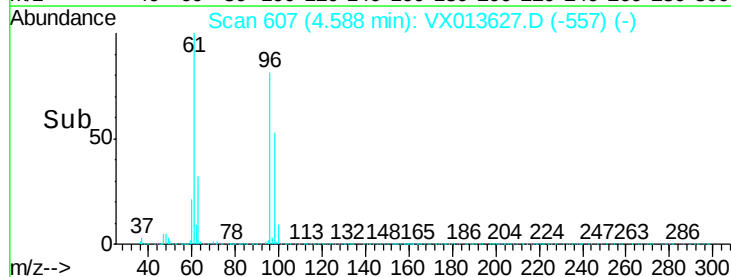
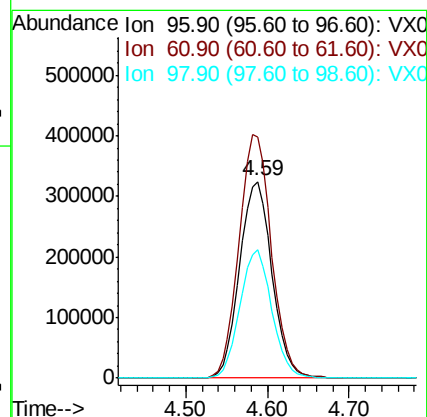
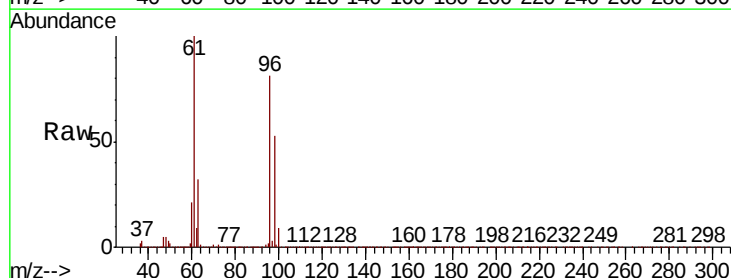
Tgt Ion: 96 Resp: 891504

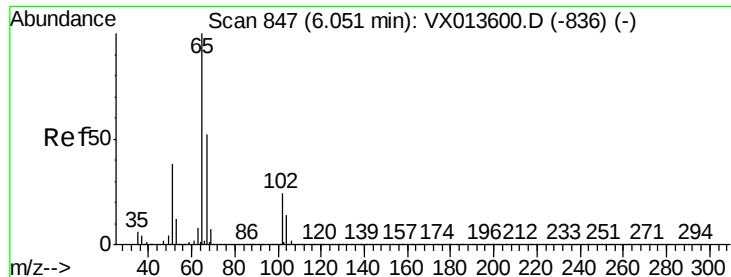
Ion Ratio Lower Upper

96 100

61 124.5 0.0 286.4

98 64.5 0.0 127.4





#33

1,2-Dichloroethane-d4

Concen: 50.026 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013627.D

Acq: 27 Nov 2019 03:05

Instrument :

MSVOA_X

ClientSampleId :

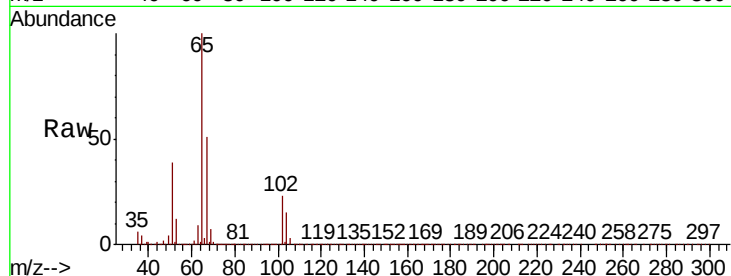
91BR-20191120

Tot Ion: 65 Resp: 381144

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

150000

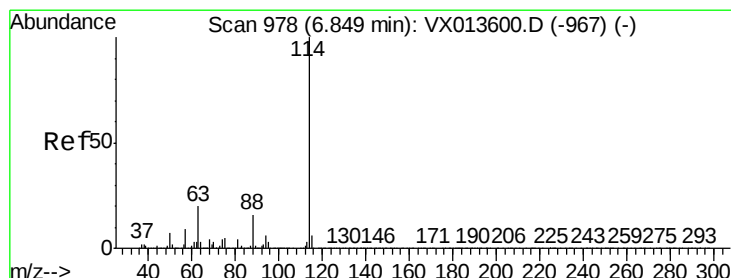
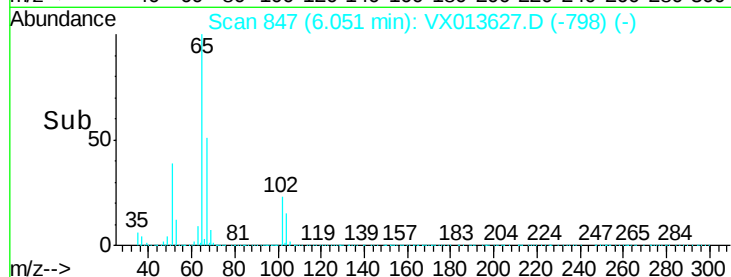
100000

50000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013627.D

Acq: 27 Nov 2019 03:05

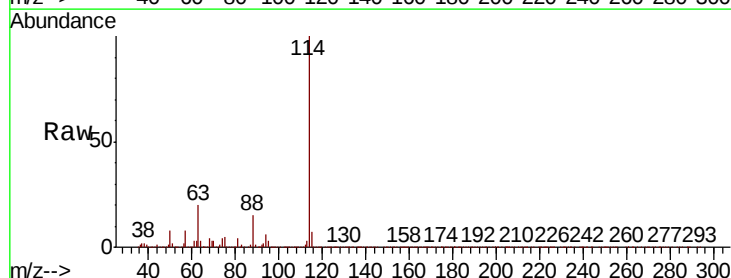
Tgt Ion: 114 Resp: 1045628

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.6

88 15.2 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.85

600000

500000

400000

300000

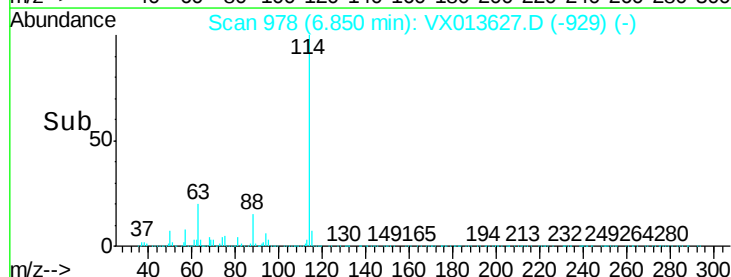
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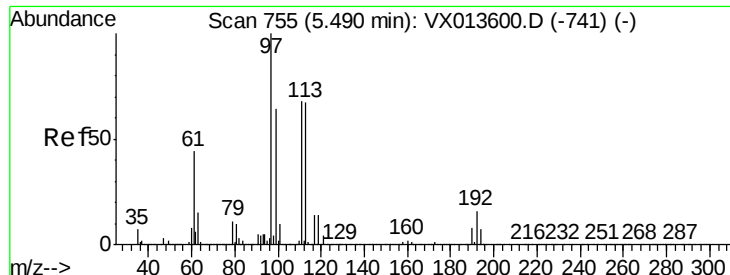
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Time-->

6.70 6.80 6.90 7.00

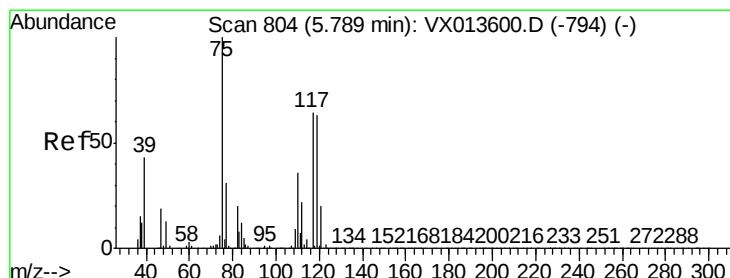
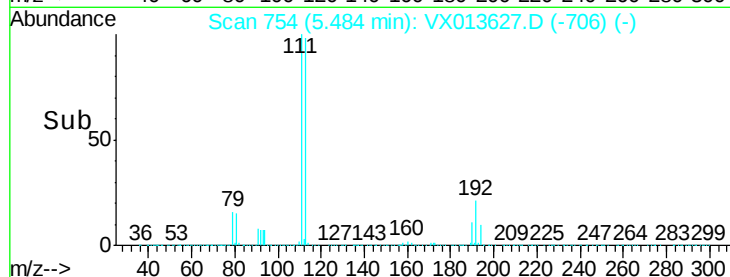
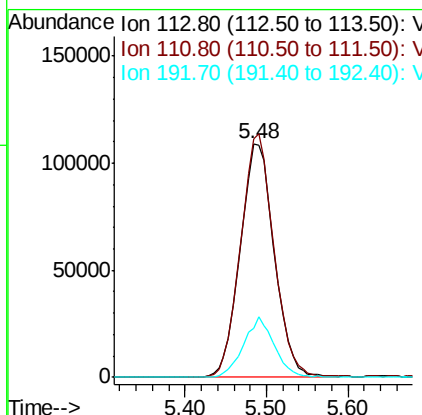
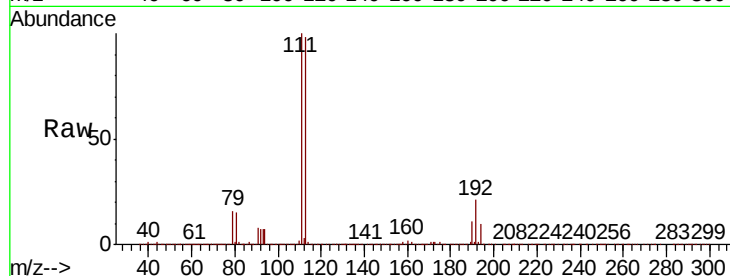




#35
Dibromofluoromethane
Concen: 49.085 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX013627.D
Acq: 27 Nov 2019 03:05

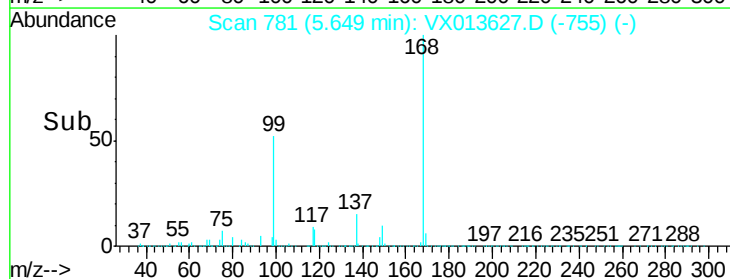
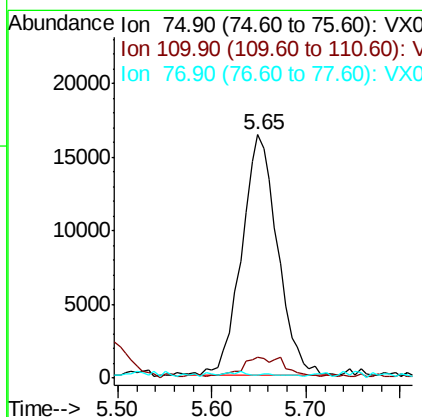
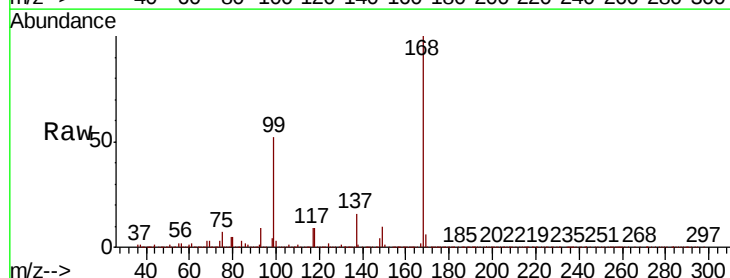
Instrument :
MSVOA_X
ClientSampleId :
91BR-20191120

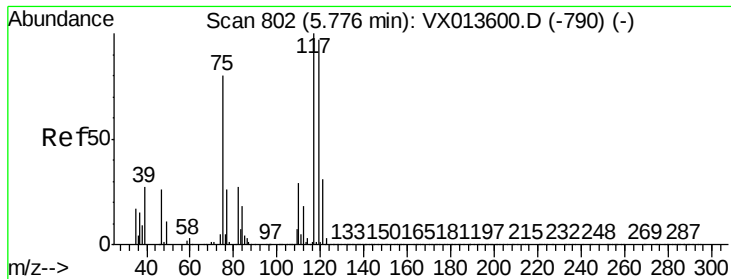
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	83.6	125.4
192	23.6	19.2	28.8



#36
1,1-Dichloropropene
Concen: 4.555 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.14 min
Lab File: VX013627.D
Acq: 27 Nov 2019 03:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	18.1	54.1#
77	0.3	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.474 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013627.D

Acq: 27 Nov 2019 03:05

Instrument :

MSVOA_X

ClientSampleId :

91BR-20191120

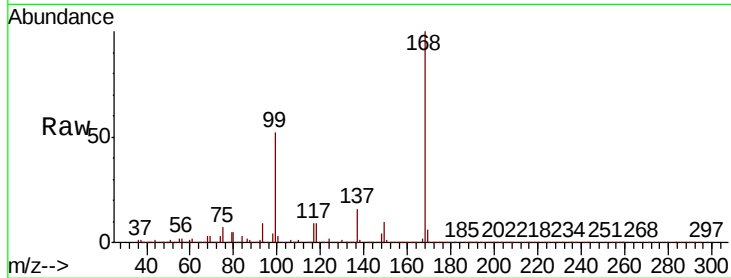
Tot Ion:117 Resp: 56658

Ion Ratio Lower Upper

117 100

119 3.7 77.5 116.3#

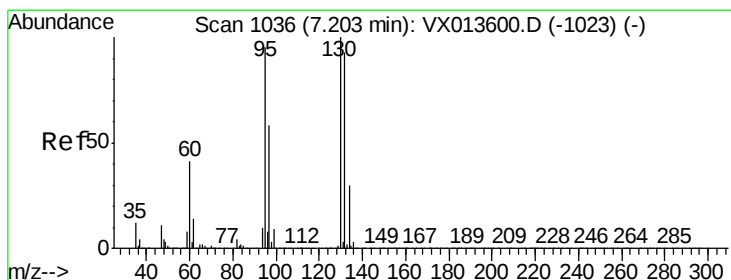
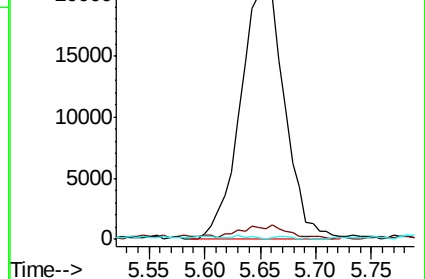
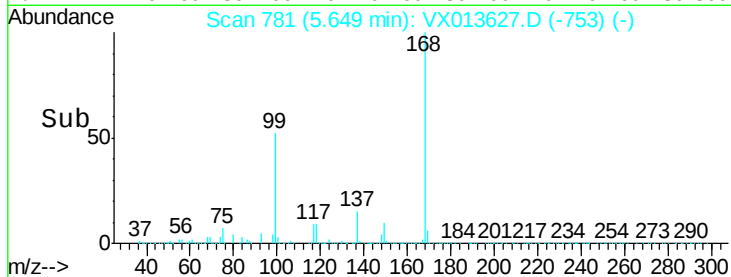
121 0.0 25.0 37.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 7.449 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013627.D

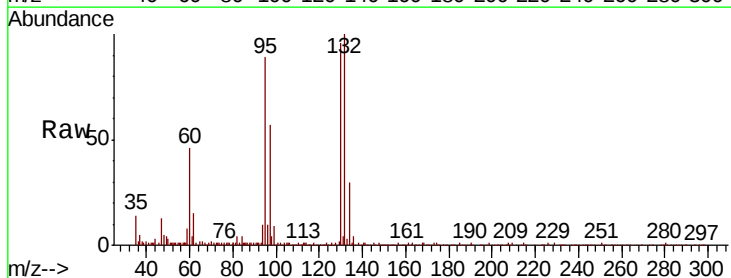
Acq: 27 Nov 2019 03:05

Tgt Ion:130 Resp: 59098

Ion Ratio Lower Upper

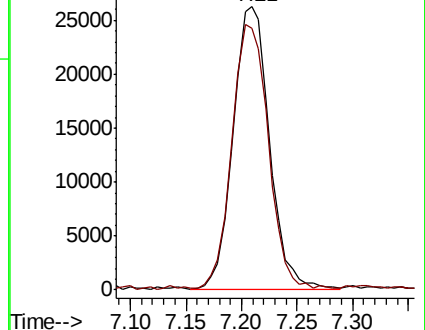
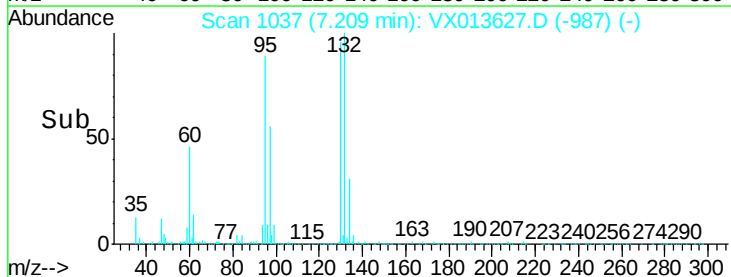
130 100

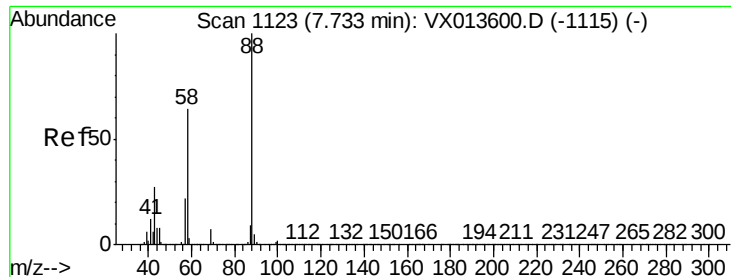
95 92.1 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

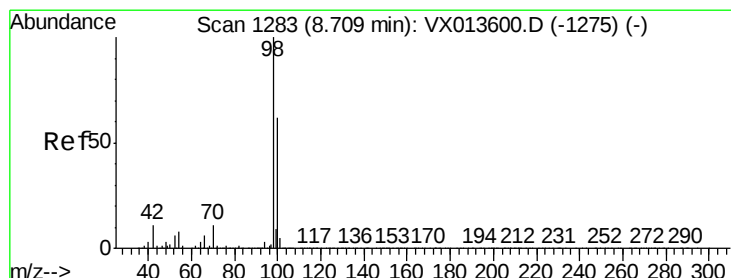
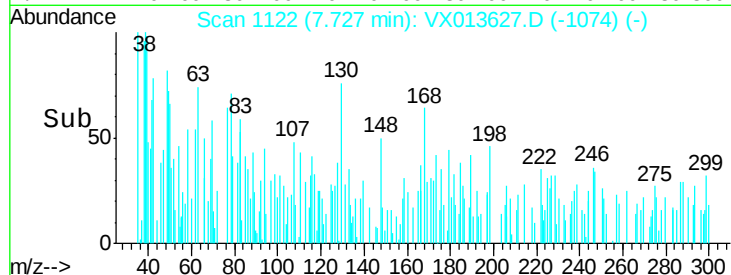
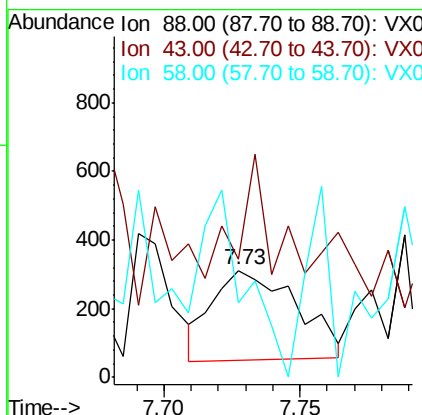
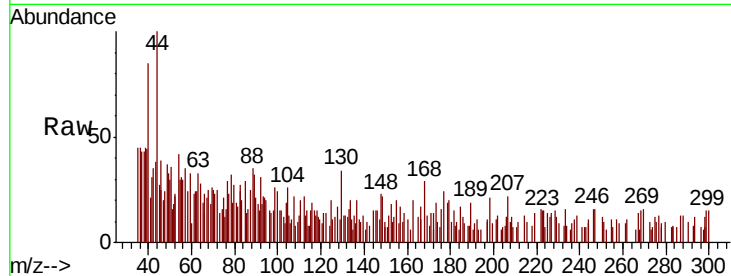




#49
1,4-Dioxane
Concen: 2.932 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX013627.D
Acq: 27 Nov 2019 03:05

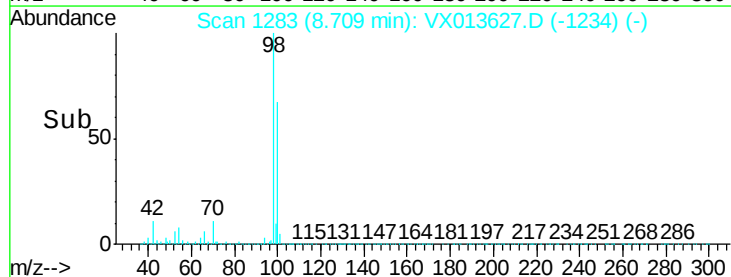
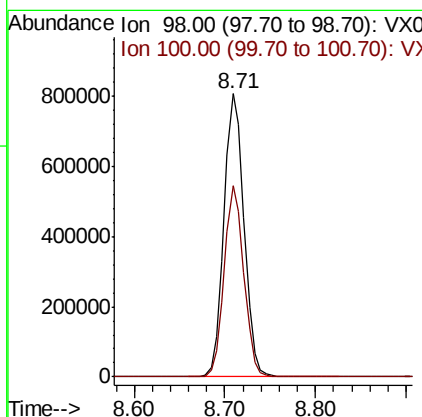
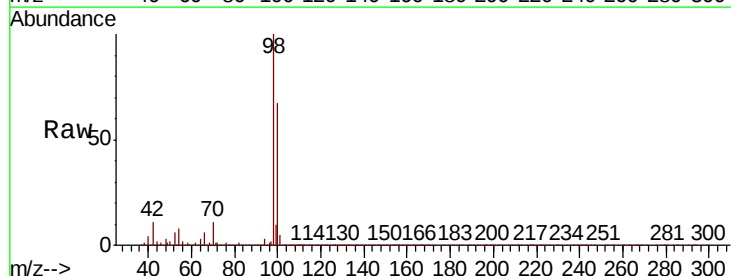
Instrument :
MSVOA_X
ClientSampleId :
91BR-20191120

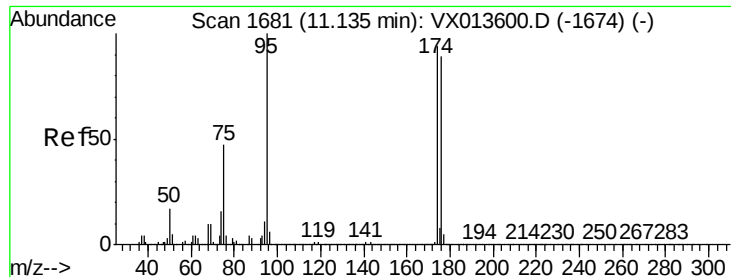
Tot Ion: 88 Resp: 559
Ion Ratio Lower Upper
88 100
43 52.2 25.8 38.6#
58 107.2 54.6 82.0#



#50
Toluene-d8
Concen: 49.404 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013627.D
Acq: 27 Nov 2019 03:05

Tgt Ion: 98 Resp: 1244243
Ion Ratio Lower Upper
98 100
100 65.8 53.1 79.7





#62

4-Bromofluorobenzene

Concen: 45.701 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013627.D

Acq: 27 Nov 2019 03:05

Instrument :

MSVOA_X

ClientSampleId :

91BR-20191120

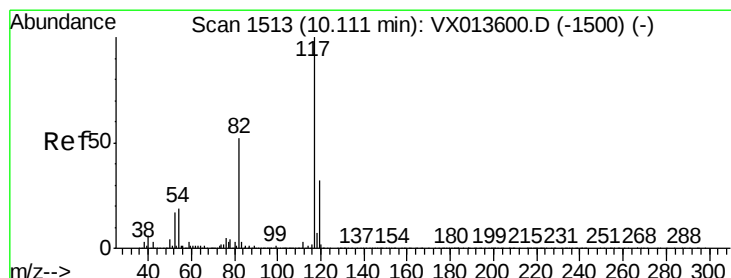
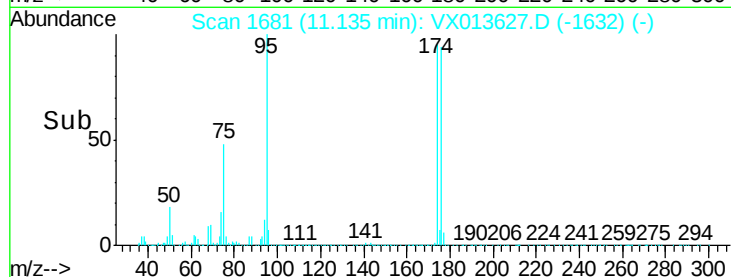
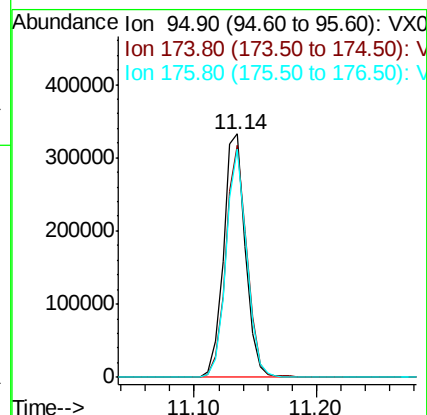
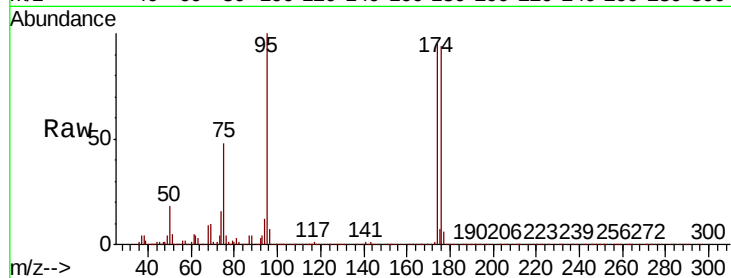
Tot Ion: 95 Resp: 415048

Ion Ratio Lower Upper

95 100

174 90.9 0.0 180.0

176 88.4 0.0 173.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX013627.D

Acq: 27 Nov 2019 03:05

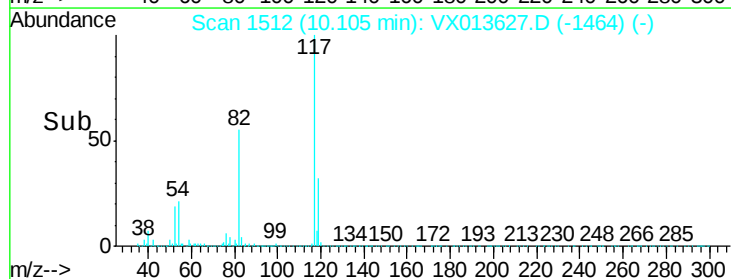
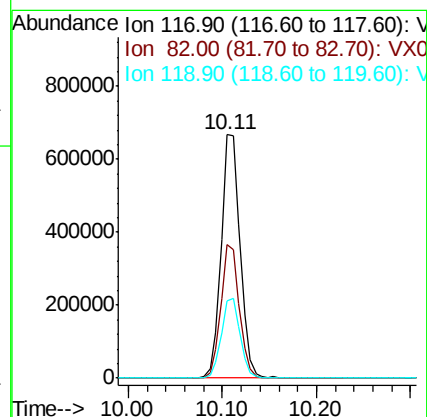
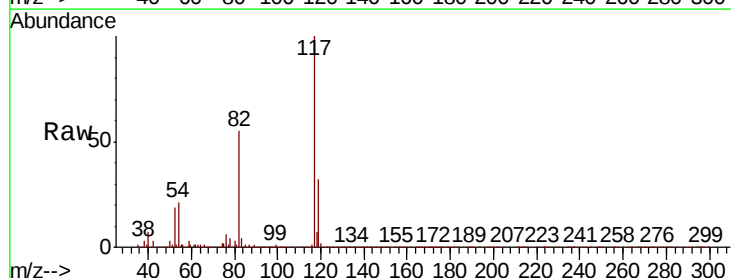
Tgt Ion: 117 Resp: 929145

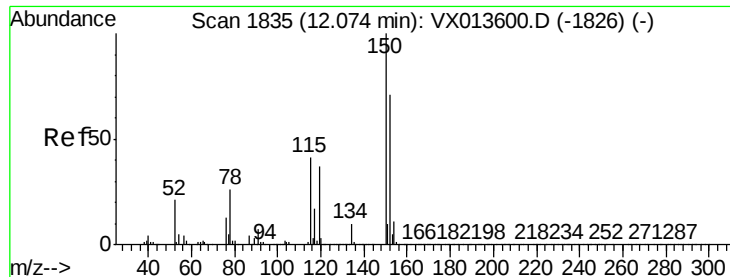
Ion Ratio Lower Upper

117 100

82 55.0 41.8 62.8

119 31.6 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013627.D

Acq: 27 Nov 2019 03:05

Instrument :

MSVOA_X

ClientSampleId :

91BR-20191120

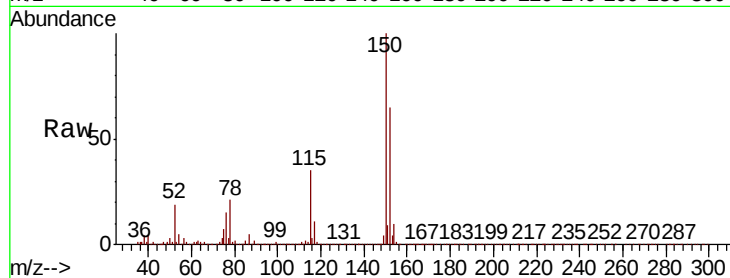
Tot Ion:152 Resp: 416988

Ion Ratio Lower Upper

152 100

115 55.4 38.4 115.1

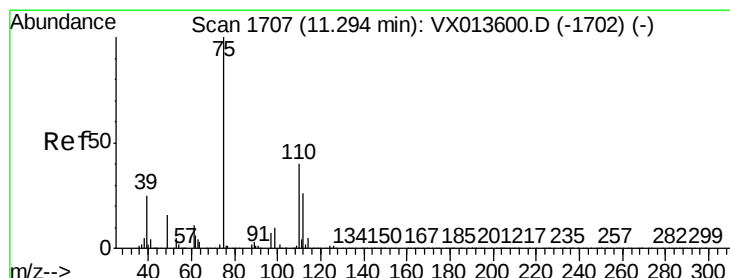
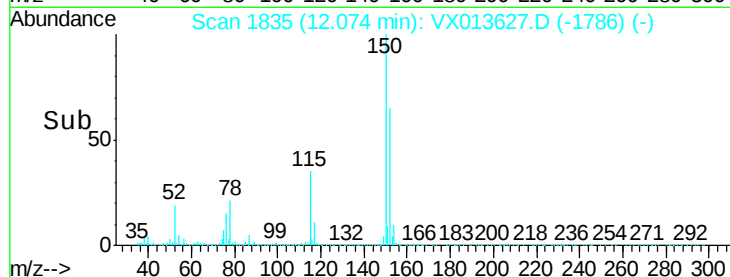
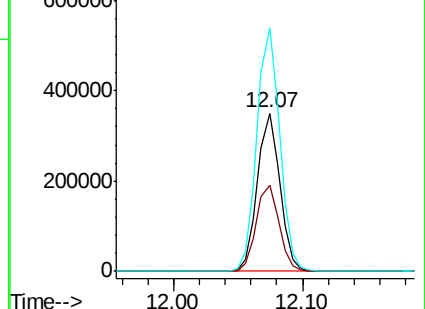
150 157.2 0.0 346.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 21.587 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013627.D

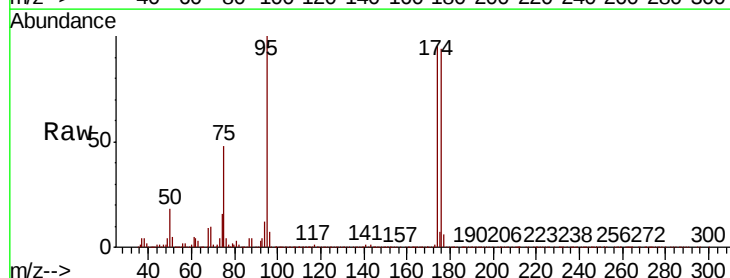
Acq: 27 Nov 2019 03:05

Tgt Ion: 75 Resp: 202461

Ion Ratio Lower Upper

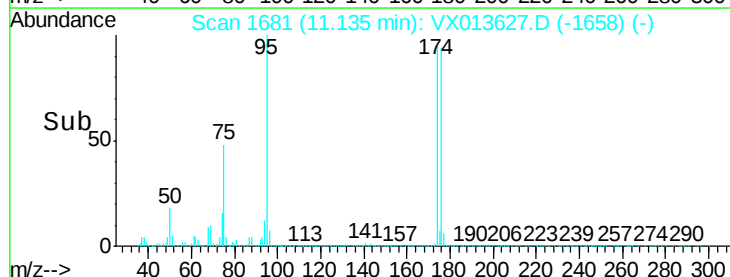
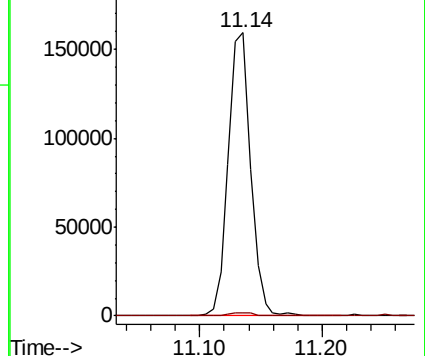
75 100

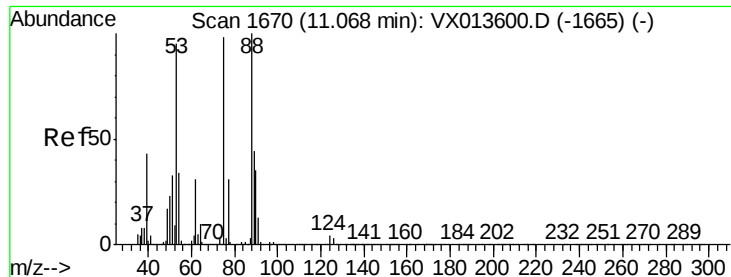
77 1.2 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 59.058 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013627.D

Acq: 27 Nov 2019 03:05

Instrument :

MSVOA_X

ClientSampleId :

91BR-20191120

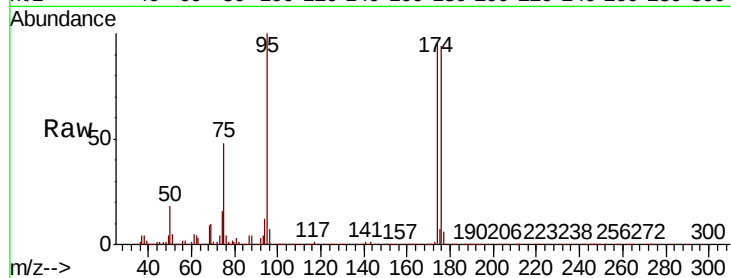
Tot Ion: 75 Resp: 202461

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.2#

89 0.1 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

